

INDIVIDUAL TRAINING STANDARDS

1. General. This enclosure contains all of the ITSs for this OccFld, grouped by MOS. Each MOS is contained in a separate Appendix to Enclosure (6).

2. Format. For each ITS, the following elements of information are provided:

a. TASK. The task describes a specific and necessary behavior expected of a Marine in a particular MOS or billet. It is a clearly stated, performance-oriented action requiring a learned skill. Skills that "make" a Marine or qualify that Marine for the appropriate MOS are designated as "CORE." Those advanced skills that are mission, grade, or billet specific are designated as "CORE PLUS."

b. CONDITION(S). This portion of the ITS describes the equipment, manuals, assistance/supervision, special physical demands, environmental conditions, and location affecting a Marine's performance of the task under real-world circumstances.

c. STANDARD(S). This portion of the ITS describes the level of proficiency to which the individual must perform the task.

d. PERFORMANCE STEPS. Collectively, the performance steps represent the logical sequence of actions required of the Marine to perform the task to standard. These actions are typically detailed in the references.

e. INITIAL TRAINING SETTING. All ITSs are assigned an initial training setting that includes a specific location for initial instruction [Functional Learning Center (FLC) or Managed On-The-Job Training (MOJT)], a sustainment factor (number of months between evaluation or retraining to maintain the proficiency required by the standard), and a "Required By" grade (the lowest grade at which task proficiency is required).

f. REFERENCE(S). References are doctrinal publications, technical manuals, and other publications upon which the ITS and its performance steps are based. They should be readily available and provide detail to the procedures that are only summarized in the performance steps.

g. TRAINING MATERIEL (Optional). Training materiel includes all training devices, simulators, aids, equipment, and materials [except ammunition, distance learning (DL) products, and performance support tools (PST)] required or recommended to properly train the task under the specified conditions and to the specified standard. Mandatory items are preceded by an asterisk(\*).

h. AMMUNITION (Optional). This table, if present, depicts the ammunition, explosives, and/or pyrotechnics required for proper training of the ITS.

i. DISTANCE LEARNING PRODUCT(S) (Optional). This section includes a list of any currently available or planned DL products designed to provide training related to this task.

j. PERFORMANCE SUPPORT TOOL(S) (Optional). This section includes a list of any currently available or planned PSTs designed to provide training related to this task.

k. ADMINISTRATIVE INSTRUCTIONS (Optional). Administrative instructions provide the trainer/instructor with special required or recommended circumstances, including safety precautions, relating to the training or execution of the task. These instructions may also clarify the meaning of the task.

MOS 0623, TRANSPORTABLE MULTICHANNEL EQUIPMENT OPERATOR

DUTY AREA 01 - COMMUNICATIONS PLANNING

For a complete MOS 0612 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0623.01.01 (CORE) PREPARE TEAM ASSIGNMENT FORM FOR AN/TRC-170(V)5

CONDITION(S): Provided a team assignment form, performance results from Systems Planning, Engineering and Evaluation Device (SPEED), topographic map, assigned frequencies, callsigns, subscriber requirements, operating times, and reference.

STANDARD(S): To ensure continual and reliable communication, per the reference.

PERFORMANCE STEPS:

1. Obtain needed data.
2. Complete team assignment form.
3. Submit team assignment form to supervisor.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

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TASK: 0623.01.02 (CORE) SELECT A SITE TO EMPLOY AN/TRC-170(V)5

CONDITION(S): Provided a topographic map, pocket transit, tentative sites, and reference.

STANDARD(S): To ensure reliable, secure and flexible communication, per the reference.

PERFORMANCE STEPS:

1. Plot military grid coordinates.
2. Determine altitude of plotted grid coordinates.
3. Determine path resistance.
4. Identify all natural and manmade obstacles.
5. Select a suitable site.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

TRAINING MATERIEL:

1. Topographic Map
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TASK: 0623.01.03 (CORE PLUS) DETERMINE OPTIMUM MODE OF PROPAGATION FOR AN/TRC-170(V)5

CONDITION(S): Provided a computer with Systems Planning, Engineering and Evaluation Device (SPEED) installed, military map, pocket transit, site locations, and reference.

STANDARD(S): To ensure reliable, secure and flexible communication, per the reference.

PERFORMANCE STEPS:

1. Load all available data into computer containing SPEED.
2. Analyze results.
3. Determine optimum mode of propagation.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: PFC

REFERENCE(S):

1. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

TRAINING MATERIEL:

1. AN/TRC-170 Radio Terminal Set

DUTY AREA 02 - COMMUNICATIONS INSTALLATION

TASK: 0623.02.01 (CORE) INSTALL AN/TRC-170(V)5

CONDITION(S): Provided an AN/TRC-170(V)5, site location, power source, completed Crew Assignment Form, and references.

STANDARD(S): To prepare AN/TRC-170(V)5 for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Site the equipment.
3. Erect/Polorize the antennas.
4. Ground the equipment.
5. Connect antenna to AN/TRC-170(V)5.
6. Connect power source.
7. Apply power.
8. Load COMSEC.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. FM 21-31, Topographic Symbols
3. TM 05684C/05685B-12, MEP-3 Generator Set
4. TM 06858B/06859D-12, MEP-5 Generator Set
5. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5
6. TM 08761A-12/1, Digital Data Modem MD-1026(P)/G
7. TM 08792A-12/1, Multiplexer-Combiner TD-1234(P)/TTC
8. TM 09280A-14&P/1, Microwave Antenna Group OE-468/TRC
9. TM 11-5810-262-12, TSEC/KY-58
10. TM 11-5810-329-10, Voice Terminal TSEC/KY-68
11. TM 11-5810-365-10, TSEC/KG-194
12. TM 11-5995-208-10, Operator's Manual for Cable Assembly
13. TM 2320-10/6A, Truck Utility 1/4 Ton 4X4



DUTY AREA 03 - COMMUNICATIONS OPERATION

TASK: 0623.03.01 (CORE) OPERATE AN/TRC-170(V)5

CONDITION(S): Provided an installed AN/TRC-170(V)5, completed Crew Assignment worksheet, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Energize for Line-Of-Sight (LOS) operation.
3. Energize power amplifier for LOS, OGD or TROPO operation.
4. Establish communication with distant end.
5. Connect subscribers.
6. Troubleshoot problems.
7. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 05684C/05685B-12, MEP-3 Generator Set
2. TM 06858B/06859D-12, MEP-5 Generator Set
3. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5
4. TM 08761A-12/1, Digital Data Modem MD-1026(P)/G
5. TM 09280A-14&P/1, Microwave Antenna Group OE-468/TRC
6. TM 11-5810-262-12, TSEC/KY-58
7. TM 11-5810-329-10, Voice Terminal TSEC/KY-68
8. TM 11-5810-365-10, TSEC/KG-194
9. TM 11-5995-208-10, Operator's Manual for Cable Assembly
10. TM 5805-12/1, Multiplexer TD-1235(P)/TTC
11. TM 5805-12/2, Multiplexer TD-1236/G
12. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

TRAINING MATERIEL:

1. \* AN/TRC-170 (V)5

TASK: 0623.03.02 (CORE) CONDUCT OE-468 ANTENNA SEARCH

CONDITION(S): Provided an installed AN/TRC-170(V)5, completed Crew Assignment Form, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Adjust antenna for elevation while watching alignment meter.
2. Stop adjusting the antenna when the meter shows maximum signal strength.
3. Each station adjusts antenna for a specified time period until a signal is received.
4. Contact distant end on orderwire.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. TM 05684C/05685B-12, MEP-3 Generator Set
3. TM 06858B/06859D-12, MEP-5 Generator Set
4. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5
5. TM 08761A-12/1, Digital Data Modem MD-1026(P)/G
6. TM 09280A-14&P/1, Microwave Antenna Group OE-468/TRC

TRAINING MATERIEL:

1. \* AN/TRC-170 (V)5

DUTY AREA 04 - VEHICLE OPERATIONS

TASK: 0623.04.01 (CORE) OPERATE M SERIES VEHICLE ON ROAD

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Perform Preventive Maintenance Checks and Services (PMCS).
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission and transfer case gear.
5. Place vehicle in motion for forward or reverse movement.
6. Comply with traffic regulations.
7. Stop the vehicle.
8. Stop the engine.
9. Complete operational forms and records.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver
2. FM 55-30, Army Motor Transport Units and Operations
3. FMFM 4-9, Motor Transport
4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures
5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series
6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle
7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. \* M Series Vehicle

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TASK: 0623.04.02 (CORE) OPERATE M SERIES VEHICLE OFF ROAD

CONDITION(S): Provided with an operational M Series vehicle and references.



STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission and transfer case gear.
5. Place vehicle in motion for forward or reverse movement.
6. Stop vehicle.
7. Stop engine.
8. Complete operational forms and records.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver
2. FM 55-30, Army Motor Transport Units and Operations
3. FMFM 4-9, Motor Transport
4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures
5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series
6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle
7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. \* M Series Vehicle

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TASK: 0623.04.03 (CORE) OPERATE M SERIES VEHICLE IN ADMINISTRATIVE MOVEMENT

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Maintain correct vehicle speed.
2. Maintain correct vehicle interval.

3. Observe safety precautions.
4. Perform at-halt PMCS on equipment.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver
2. FMFM 4-9, Motor Transport
3. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series
4. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle
5. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998
6. TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel
7. TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel
8. TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel
9. TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel

TRAINING MATERIEL:

1. \* M Series Vehicle

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TASK: 0623.04.04 (CORE) OPERATE M SERIES VEHICLE IN LIMITED VISION CONDITIONS

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Operate vehicle at night with service lights.
2. Operate in blackout conditions using blackout lights.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver
2. FM 55-30, Army Motor Transport Units and Operations
3. FMFM 4-9, Motor Transport
4. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

5. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle
6. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. \* M Series Vehicle
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TASK: 0623.04.05 (CORE) PERFORM PREVENTIVE MAINTENANCE CHECKS AND SERVICES ON M SERIES VEHICLES

CONDITION(S): Provided with an operational M Series vehicle, required tools and equipment, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

1. Perform before operations PMCS.
2. Perform during operations PMCS.
3. Perform after operation PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.
6. Maintain basic issue items.
7. Identify hazardous waste for disposal.
8. Perform PMCS on weapons mount.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. MCO 5100.25, Hazardous Material Information System
2. MCO P4790.2, MIMMS Field Procedures Manual
3. TM 1005-13&P, Maintenance for Weapons Mount to Tactical Vehicles
4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures
5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series
6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle
7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998
8. TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel

9. TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel
10. TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel
11. TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel

TRAINING MATERIEL:

1. \* M Series Vehicle
  2. Tools, as applicable
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TASK: 0623.04.06 (CORE PLUS) OPERATE M SERIES VEHICLE IN UNUSUAL CONDITIONS

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Operate the vehicle in extreme cold.
2. Operate the vehicle in snow.
3. Operate the vehicle in dusty, sandy areas.
4. Operate the vehicle under rainy, humid conditions.
5. Operate the vehicle in deep mud.
6. Operate the vehicle in extreme heat.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver
2. FM 55-30, Army Motor Transport Units and Operations
3. FMFM 4-9, Motor Transport
4. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series
5. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle
6. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. \* M Series Vehicle